



DOSMART AC

ADVANCED CONTROL

Diaphragm Dosing Pump



DOSTEC AC

ADVANCED CONTROL DOSING PUMP

Diaphragm dosing pumps with advanced dosing control for an accurate and efficient automatic regulation.

DOSmart AC are characterized by high precision, wide possibility of regulation and high suction capacity even with viscous products.

There is an APP available for DOSmart AC pumps which allows to monitor and control easily the unit remotely. The APP also has the option to receive alarm messages through SMS and email.

APPLICATIONS:

- ✓ Water treatment
- ✓ Industrial processes
- ✓ Chemical industry
- ✓ Pulp & paper
- ✓ Agriculture

OPERATING MODES

- ✓ Analogue control (0/4-20mA)
- ✓ Proportional pulse control
- ✓ Batch dosing control
- ✓ Manual Flow Control

ADVANCED DOSING FEATURES

- ✓ Remote activation (on/off)
- ✓ Test function
- ✓ Flow calibration
- ✓ Low Pulsation discharge function for a continuous flow (LP)
- ✓ Slow Suction function for high viscosity products (SS)
- ✓ Turndown ratio 1:3000
- ✓ High suction capacity
- ✓ Invariable flow, no pressure influence

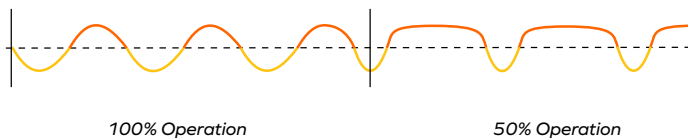
ADDITIONAL SAFETY DEVICES

- ✓ Level sensor
- ✓ Diaphragm leakage detector
- ✓ Pressure sensor
- ✓ Flow failure detector
- ✓ Temperature sensor

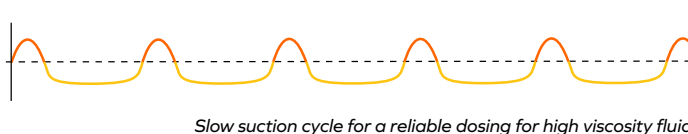


ADVANCED DOSING FUNCTIONS

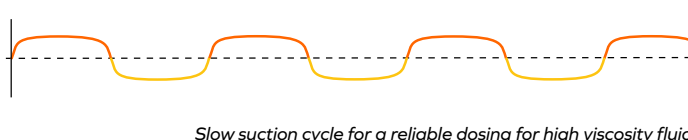
(ST) STANDARD



(SS1) SLOW SUCTION



(SS2) SLOW SUCTION AND DISCHARGE

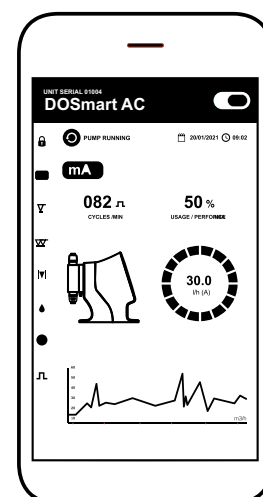
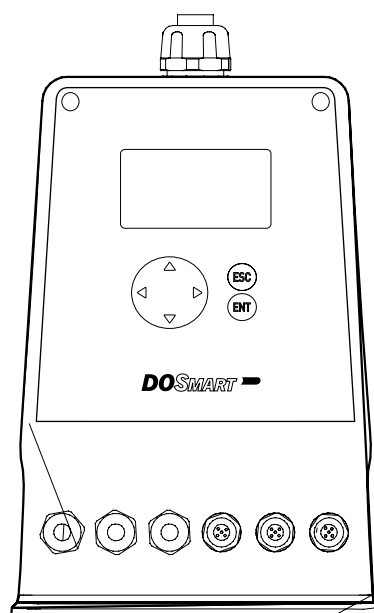


TECHNICAL FEATURES

| 55-STA / 55-STD | | MODELS | | | | |
|-----------------|-----|-------------|-----------|-----------|------------|------------|
| | | DOSMART 1.5 | DOSMART 4 | DOSMART 8 | DOSMART 13 | DOSMART 25 |
| FLOW | l/h | 1.5 | 4 | 8 | 13 | 25 |
| | gph | 0.40 | 1.05 | 2.10 | 3.40 | 6.60 |
| PRESSURE MAX. | Bar | 16 | 12 | 8 | 7 | 5 |
| | psi | 232 | 174 | 116 | 100 | 72 |
| TURNDOWN RATIO | | 1:3000 | 1:3000 | 1:3000 | 1:3000 | 1:3000 |
| STROKE | mm | 2 | 2 | 2 | 4.5 | 4.5 |
| STROKES/MIN. | | 50 | 95 | 150 | 91 | 162 |

INPUTS / OUTPUTS AND COMMUNICATIONS

- ✓ Analogue input 0/4-20mA
- ✓ External pulse input
- ✓ Remote on/off input
- ✓ Level sensor input (pre-empty)
- ✓ Level sensor input (empty)
- ✓ Leakage detector input
- ✓ Flow detector input
- ✓ Pressure sensor input
- ✓ Serial port RS-485 ModBus
- ✓ 4-20mA output for registering and monitoring
- ✓ Pulse output for registering, monitoring and 2nd pump control
- ✓ Alarm output (relay)
- ✓ Level alarm output (relay)





Advanced Control Dosing Pumps

- ✓ High Chemical Resistance
- ✓ Smart And Highly Efficient Dosing
- ✓ Turndown Ratio 1:3000
- ✓ Dosing Flow From 1.5 to 60 L/H



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